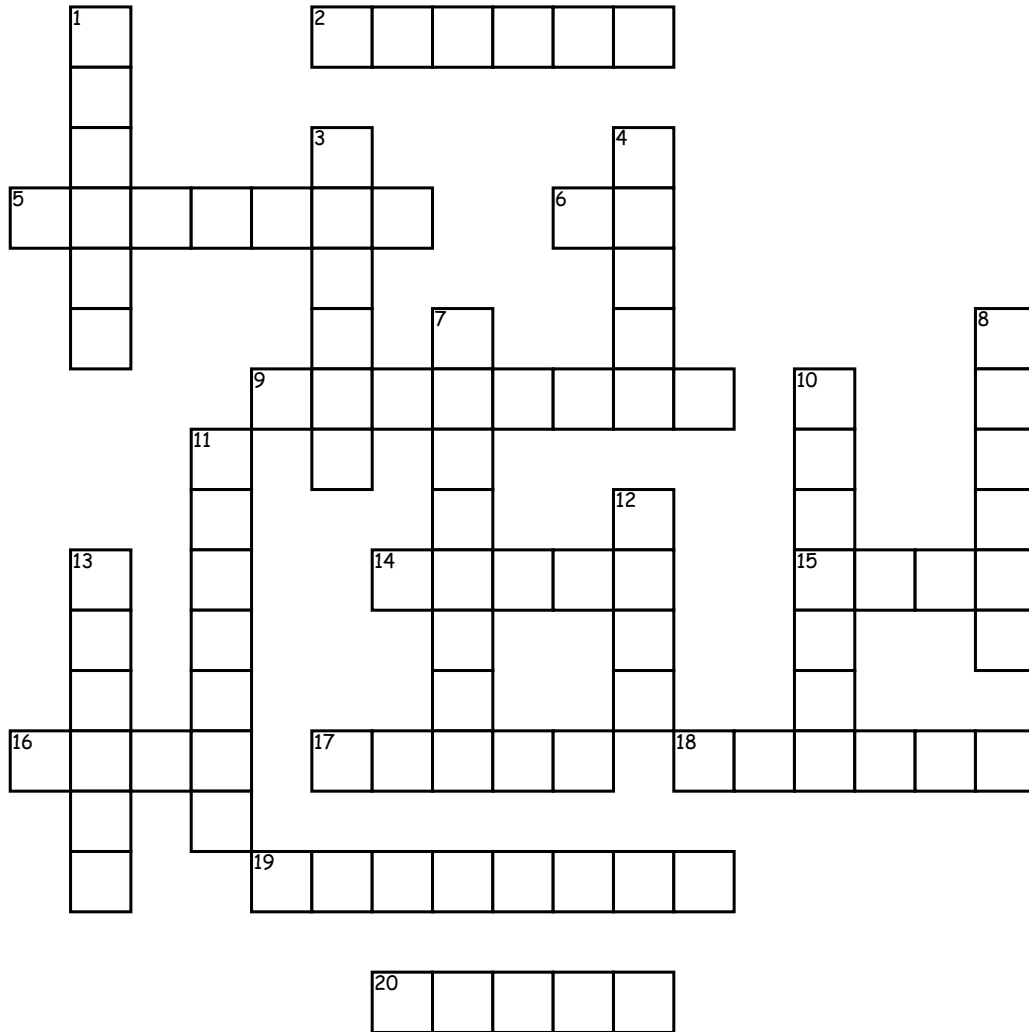


# The Moon, Eclipses, and Seasons



**Across**

- 2. The season when the leaves on trees turn many different colors and begin to fall
- 5. A waxing \_\_\_\_\_ is when it appears that about three quarters of the right side of the moon is visible
- 6. The Moon has \_\_\_\_\_ atmosphere
- 9. Where you can experience a partial eclipse
- 14. The point of totality during a full solar eclipse
- 15. The diameter of the \_\_\_\_\_ is 35,000 km
- 16. The amount of degrees the Moon's orbit around the Earth is tilted

- 17. A \_\_\_\_\_ eclipse is when the Moon moves into the Earth's shadow

- 18. The coldest season
- 19. A waning \_\_\_\_\_ is when we can only see a narrow strip of the left side of the moon
- 20. \_\_\_\_\_ quarter is when we can only see the right half of the moons lighted hemisphere from Earth

**Down**

- 1. The season associated with growth and life
- 3. The warmest season
- 4. A \_\_\_\_\_ eclipse is when the Earth moves into the Moon's shadow

- 7. When the Moon appears to be a full circle

- 8. A \_\_\_\_\_ gibbous is when it appears that about three quarters of the left side of the moon is visible
- 10. When the Moon seems to have completely disappeared from the sky
- 11. Third \_\_\_\_\_ is when we can only see the left half of the moons lighted hemisphere from Earth
- 12. How much of the Moon is illuminated by the Sun at all times
- 13. A \_\_\_\_\_ crescent is when we can see a narrow strip of the right side of the moon

**Word Bank**

- |        |        |         |          |           |        |       |
|--------|--------|---------|----------|-----------|--------|-------|
| moon   | spring | umbra   | new moon | crescent  | half   | no    |
| solar  | waning | five    | autumn   | penumbra  | waxing | first |
| summer | lunar  | gibbous | quarter  | full moon | winter |       |